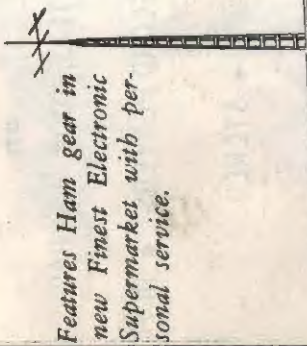


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DECEMBER - 1965

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The Indianapolis Radio Club meets on the second and fourth Fridays of each month except July and August in the Indianapolis Park Board Building at 29th and Harding Streets. Meetings start promptly at 8:00 P.M., EST.

## AMA-CHEWER STAFF

### PRESIDENT

Bert Brouse  
6995 Barr Will Drive

K9JSF  
CL 5-9282

### EDITOR

Marshall Lincoln  
3514 North Riley

K9KTL  
LI 7-8148

### PUBLISHER

Pat Husk  
2223 East 74th Street

K9EUC  
CL 3-2220

### MANAGER

Alvey Pittman  
2555 Westlane Road

W9JJC  
AX 1-9252

\*\*\*\*\*

Ama-Chewer is published monthly by and for the I.R.C. and all amateurs in the Indianapolis area. Non-members may subscribe for \$1.00 a year.

Publication is on the third Friday of each month, with all news items and ads due no later than the first Friday of each month.

Ham Ads (5 line limit) are free to members and subscribers. Others may submit ads for 50 cents each.

Ama-Chewer welcomes the forwarding of information on coming events and activities of other clubs for publication.



It has been a long time since I have written a President's Frequency and an Ama-Chewer has been published. However, it is my hope, along with many others, that things will get rolling along again as they used to do.

Without the Ama-Chewer it is almost impossible to get information to the members what has been happening at club meetings and what is going to happen in future meetings. I believe since the meetings started in September all who have not been present have missed some very interesting meetings and programs.

I have two more meetings during my reign in office and plans are to have Frank Owens and Jerry Lowe as the program part of the meetings. Frank again will give us information on transformers as requested by many members, and Jerry has a very interesting electronic gadget which he manufactures. I hope all will be interested in seeing it in operation.

As all of you know, now is the time for all members to begin thinking as to who they would like to see to be their new club officers for the upcoming year. A list is in this issue as to those qualified to hold office so get your slates ready to be voted on.

I wish at this time to thank all who attended and supported me in the past year that I was your President. I personally don't think my past reign was so hot. But I will help the next officers to the best of my ability. Thanks again to all.

Your feeble Pres.

Bert W. Brouse, K9JSF

\* \* \* \* \*

W9JJC and W9APJ attended the Oct. 2 meeting of the UHF-ATV club at the NAFI plant. About 60 eager, question-asking hams were present, as well as a goodly display of functioning homebrew TV cameras and other esoteric goodies. Is it possible the Indianapolis Radio Club has allowed the world to pass by, and that we are concerning ourselves too much with the fundamentals? If you think so, raise your hand and let your wants be known.

For those who haven't already heard or guessed, let it be known that the proposed 1965 IRC Indianapolis area ham directory has been cancelled. It was scheduled to be published last spring, and all data for use in the book was assembled at that time. However, a delay in getting the book printed stretched through the summer into the fall, so the Board of Directors set a deadline of the first week of November for completion of the book. As this deadline was not met, the book has definitely been scrapped. All advance payments for copies of the book have been refunded. It is with great regret that the Board cancelled publication, but it was felt unfair to ask prospective purchasers to buy a book with obsolete information.

Those in charge of the project wish to thank all who helped try to get the book assembled, and also all those who sent back the post cards with information for inclusion in the book.

The Ama-Chewer editor had suspended publication of the club paper during the period when attempts were being made to get the directory printed so that printing time normally devoted to the AMA-Chewer could be devoted to the directory. With the directory now in the ash can, the Ama-Chewer resumes.

It is hoped that resumption of publication of the club paper will serve to get more club members and visitors to attend meetings. Frankly, attendance lately has been very disappointing. The editor hoped that even though the paper didn't go out on schedule each month, members would still remember the club meets each second and fourth Friday nights and would come out without being reminded by the Ama-Chewer. In too many cases, this apparently has not happened.

With resumption of publication of the Ama-Chewer comes again the oft-repeated plea for news items for the club paper. This thing doesn't get put together by itself -- somebody has to put it together. It could be a much better paper than it has been if it would get more newsy bits of information from all members. With the present editor planning to move one of these days, a new editor will have to be found before long. Regardless of who is doing it, though, that person needs YOU to help. A club, or a club paper, is a very dull thing without participation of a large number of its members.



## PROGRAM REVIEW

By Jerry Lucas-W9APJ

Boy, it's been a long time. Lost all my notes long ago. I'll just have to dredge back through my memory and see what I can find.

There was that interesting tour of the Indianapolis Power and Light Co. plant on West Morris Street on March 26. We saw the load dispatcher's office, the service truck dispatcher's office and the 1200 mc. microwave telemetry shack. They treated us to refreshments, then gave each guest a light blub. (How did they think of a gift like that?)

On April 9, a crew from the Indiana State Police came out to explain their communications system. On April 23, Jim Sugioka, W9CKB, told of his around-the-world trip and showed color slides of foreign hams he visited.

Later there was that highly successful homebrew night with a VOM by Caskey, power supply and SWR bridge by Lucas, RTTY terminal unit by Lincoln, transistorized keyer by Lueth, and crystal oscillator-diode checker-crystal checker-100kc. oscillator-FM alignment gear by Brouse.

At the next meeting, all the junk that didn't work on homebrew night was brought back for a swap and shop night that turned into an auction. Byron Fortner cleaned out his shack--he sent a truck load (honest!)--and a car load of boys from the Pike Township H. S. Radio Club went home with a large collection of boat anchors.

Next came that "well attended" Field Day. Better not dwell on that too long, but our sincere thanks to the boys from Pike. (Details elsewhere in this issue.)

The first couple meetings in the fall were mostly bull sessions, but program planning finally got started on Oct. 8 with Bill Bancroft, W9EDE, and the most concise explanation of RTTY I have ever heard. After I listened to Bill explain the inner workings of a Teletype machine, I felt even I might be able to make one work.

On Oct. 22, Bob Ruyle, W0FCH, field engineer for Hy-Gain, gave one of the most informative, down-to-earth talks on grounds and antennas I have ever heard. Bob first talked on

the importance of a good ground, especially with a vertical antenna, and with respect to lightning protection. He said he was willing to bet not more than ten percent of the audience had an adequate ground. After checking my own, I am inclined to agree. Bob said a ground with a resistance of not more than 25 ohms was necessary to pass insurance company specs, and a ground rod at least eight feet long was a must, but no assurance that you had attained this happy state of affairs. Usually more than one rod with more than six-foot spacing is required, he said. Bob stressed the necessity of using at least No. 6 aluminum or No. 10 copper wire for the ground lead.

From grounds, Bob switched to antennas with the most lucid explanation of why a parasitic Yagi array works that I have ever heard, and I am not going to tell you. If you want to know, you can darn well come to the meetings, especially when we have speakers of this caliber.

\* \* \* \* \*

### LOCAL BOY MAKES GOOD

Our own John Jones, W9FZW, has taken on another job, the gullible fellow. He was elected chairman of the Indiana Radio Club Council at its recent fall meeting at Butler University. The job lasts for two years, so you may offer John your congratulations or condolences, as you wish. He'll be glad to hear your suggestions on how the IRCC can best serve the amateur radio operators of Indiana.

\* \* \* \* \*

### HAM-ADS

NCX-5 with AC power supply, \$465; Heath HO-10 Monitor scope, \$40 (accessories with these include two mikes and coax); also four 4-400As, four 811As, and homebrew 1 KW rack mounted linear. Contact John Fogg, AT 3-1304.

Heath HW-12 (75 meter SSB transceiver) with fixed and mobile power supplies, 100 kc. crystal calibrator, mike, cables, mobile antenna, excellent condition, \$200. K9KTL, LI 7-8148, 3514 N. Riley, Indianapolis.



# ELIGIBLE MEMBERS

The following persons, by virtue of having been members of the IRC for one year or more, are eligible to hold office during the coming year:

James R. Adams, WA9BHF	Leo E. Laird
William T. Akin, K9YOD	Craig Larson, WA9AKU
D. J. Angus, W9CYQ	Marshall Lincoln, K9KTL
Robert Annis, W9CUD	George Lone, K9CBY
M. C. Bartlett, W9MC	Gerald Lucas, W9APJ
Paul Beckerich, W9SUN	Bill Lueth, W9DSC
Garold Bramblett, W9POF	Elmer F. Marchino, W9PCL
Bill Bradburn, K9KCQ (*)	Alvin J. Minnick, K9SUV
Bert Brouse, K9JSF	Daniel J. O'Connell, K9VQI (*)
Robert T. Brown, WA9DTM	Bob Osterhous, W9PSE
Ralph Bundy, W9MEK	Richard Owens, K9OFG
Jesse Butler, K9PCA	Henry Peterson, W9ZRK
Elizabeth Carmean, WA9DYU	Alvey F. Pittman, W9JJC
Lewis Carmean, WA9DYV	Merrill Price, W9BZB
Steven L. Carmean, WA9DYV	Claude Richie, W9TKV
Robert Caskey, W9DNQ	Charl H. Ryan, K9WST
Richard O. Daupert	Robert J. Scott, WA9BSK
Donald Dickinson, K9MKU (*)	Howard Severeid, W9DPL
Arthur G. Evans, W9TQC	Clifford Singer, W9SWD
Frank Fitch, W9EJW	Doris Singer, K9IXD
M. B. Flanigan, W9PLG (*)	Walter Smith, WA9BHV
Raymond Forbes, Sr., W9HNS	Ward L. Studor, WA9CCX
Mary Galloway, K9WJR	James Sugloka, W9CKB
Max Galloway, K9OXA	John P. Sukup, W9UJY
Robert Heaton, K9RDL	Elmer Taflinger, W9GRN
Frank Hechinger, WA9KZS	Earl C. Terrill, WA9HCQ
A. Bill Hickok, K9AOM	James G. Thomas
Richard W. Hickok, K9PUI	Gene Van Sickle, W9KJF
Curtis W. Hunter, K9LVS	Edwin J. Ward, K9CRS
Winston Hunter, K9DWT	Perry L. Wefler, W9GAR
Pat Husk, K9EUQ	Jack Wells, W9EJP
John Jones, W9FZW	John D. Wilson, K9FIP
F. E. Kamplain, W9SWR	Ronald C. Williams, W9JVF
Wade Kingery, W9JGZ	Comer Wolf, W9FLD
Richard M. Kinnett, K9VIE	Hank Wolfla, K9LZJ
Earl Kirk, W9OET	

(\*) Denotes members eligible to vote but NOT hold office due to the fact that they have not been members for one year or more.

# NOMINATING COMMITTEE REPORT

A nominating committee, consisting of: Bob Caskey, W9DNQ; Al Minnick, K9SUW and Bert Brouse, K9JSF, has submitted the following slate of nominees for the IRC election, which will be December 10:

President	Lyman "Hank" Wolfla, K9LZJ
Vice-President	Alvey F. Pittman, W9JJC
Secretary	Ward Studor, WA9CCX
Treasurer	Jerry Lucas, W9APJ
Chief Operator	Bill Lueth, W9DSC
1st Director	Bert Brouse, K9JSF
2nd Director	Lewis Carmean, WA9DYT

All members are reminded that they, too, may nominate persons of their choice for office in this manner, as provided in the club constitution: "Any group of five resident members in good standing, wishing to make nominations shall report their nominations, a majority of which must be licensed amateurs, to the secretary at least four days before the annual meeting."

\* \* \* \* \*

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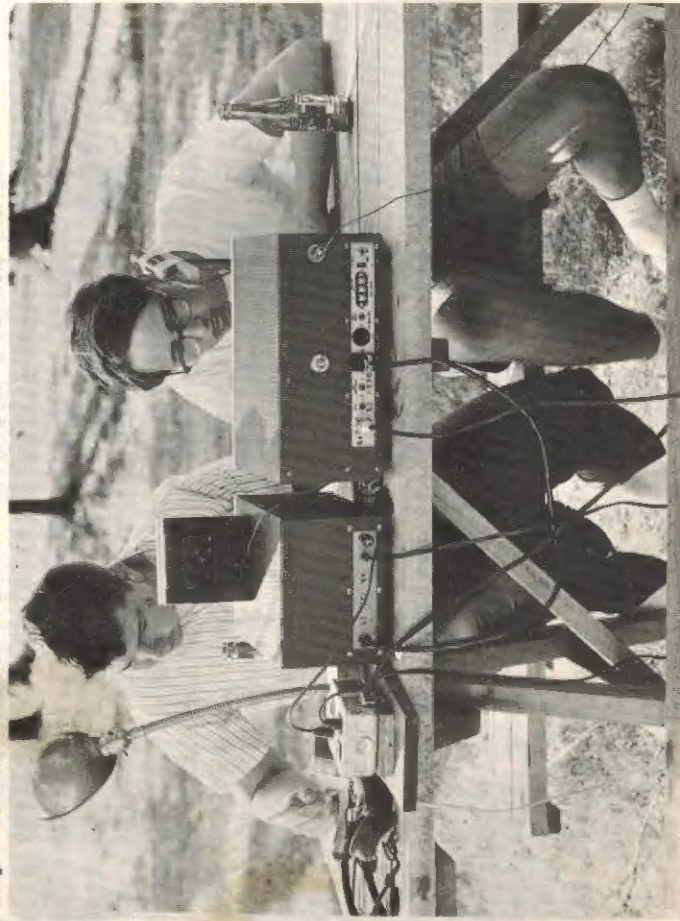
## FIELD DAY

(Or, where were you on June 26-27?)

All together now, everybody -- "HURRAY FOR THE PIKE TOWN-SHIP HIGH SCHOOL RADIO CLUB." Without them, the Indianapolis Radio Club, which we bragged so much about on its 50th anniversary not long ago, would not have had a Field Day this year. It seems there was very little interest shown in this club project by most of the members. (That seems to be a familiar story anymore, doesn't it?) But the boys from Pike rolled up their sleeves and saved the IRC from shameful defeat. They helped set up the station, worked the full 24 hours and helped tear down afterwards.

In the photo below, Gary Lucas (who recently got the call Wn9QIF, logs for Steve Brown, WA9JGN. At top right, Bob Caskey, W9DNQ (he belongs to the IRC, not Pike High School), logs for Mike O'Cull, WA9NPM. At bottom right, Bob Jones, WN9NPL, bats away on the novice bands. Others who helped were Alvey Whats-his-name, W9JJC; Jerry Lucas, W9APJ, and Jesse Butler, K9PCA. How come you weren't there?

Operation was at Shank Airport on 80 CW, 75 SSB, 40 CW and SSB, and 6 AM. The boys worked 426 stations in 44 states, five Canadian provinces plus Canal Zone, Puerto Rico and a ship in the South Atlantic. Total score: 2892.





Here's what the Army and Air Force have to say to its radio operators:

- Listen in before transmitting to avoid interference.
- Make only the minimum transmissions necessary to maintain net contact and to clear traffic.
- Send call signs clearly and accurately.
- Transmit at speeds not faster than those of the slowest operators in the net.
- Reply promptly to all transmissions requiring a reply.
- Operate with minimum power required to maintain communications with all stations in the net.
- Write out and rehearse radio messages before going on the air.

The same manual which contains that operating advice has this to say to would-be speed demons: "The bug is designed to make sending easy rather than fast, and perfect control of the key is far more important than speed."

\* \* \* \* \*

WHY? WHY? WHY?

Why is it that some guys insist on making up facetious phonetics for their call letters? I suppose they are trying to demonstrate their wit, and many succeed half way. The only effect on me is to induce a reverse peristaltic contraction of the esophagus.

ARRL has a perfectly good phonetic list made up of words that are easily understandable, and suggests that all voice-operated stations use a standard list as needed.

So use an accepted phonetic list when needed on the air, and reserve the funnies for eyeball contacts. Ugh, makes me want to spit on the cat.

\* \* \* \* \*

PUZZLER

What is the least number of diodes that may be used to obtain full-wave rectification? (Answer next month.)

The new operating console at WIAW, the ARRL amateur station, is shown on our cover this month. That's Murray Powell, W1QIS, one of the two station operators, standing behind the equipment. The gadget below the table at the left side of the picture takes standard Teletype punched tape and converts it into Morse Code. It is used for transmitting ARRL bulletins on CW, and for code practice transmissions. Out of the picture to the right are several six-foot racks which hold final amplifiers and antenna tuning and switching controls.

Some of the manufactured equipment shown on our cover has been in use during the recent remodeling of WIAW to keep the station the air while new equipment is being built.

K9KTL recently had the pleasure of visiting WIAW and the new ARRL headquarters building, and urges anyone who gets to that part of the country to do likewise.

\* \* \* \* \*

GRAHAM'S SPECIALS OF THE MONTH

Hammarlund HQ 170C	Hammarlund HQ 180C with Blanker	National NC 400 Receiver	Drake 2B with Calibrator	Drake 1A Receiver	Hallcrafters HT-44 with power	Hallcrafters SX-117 Receiver	Hallcrafters SX-101 Mark III	Clegg Interceptor "B" Receiver	Clegg 22er Transceiver	Collins 32S1 Transmitter	Collins 75S1 Receiver	Globe SB-175 Transmitter	Knight T-150 Transmitter	Heath DX-60 Transmitter	Globe Champ 350	Polytronics PC6 Transceiver	S.B.E. 33 Transceiver	Johnson Viking II Transmitter	Johnson Challenger	Johnson Viking Valiant
\$265.00	298.00	565.00	220.00	135.00	260.00	298.00	199.00	369.00	199.00	380.00	360.00	59.00	79.00	69.00	149.00	197.00	228.00	84.00	69.00	169.00



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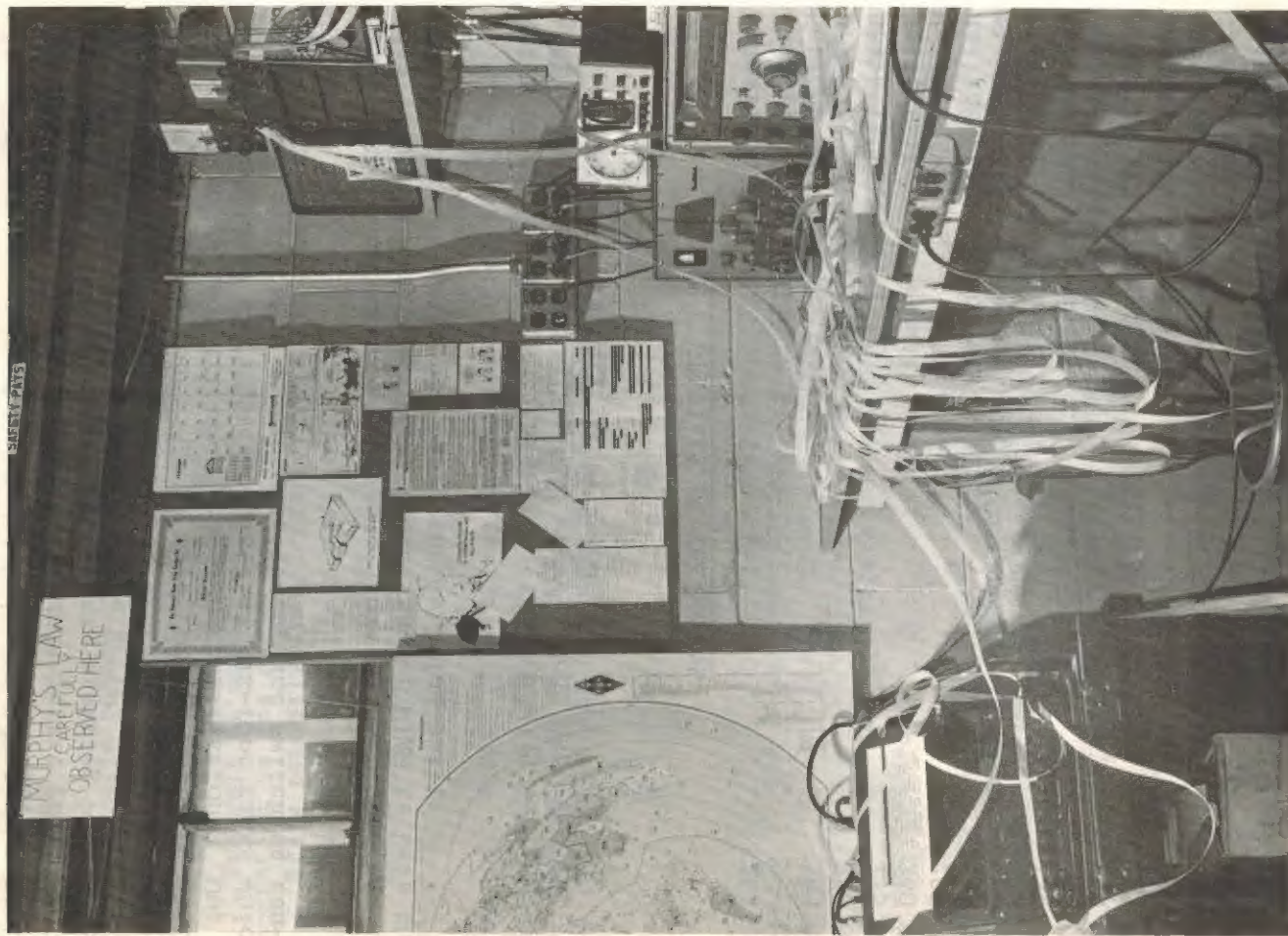
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